

CONFIGURATION MIGRATION TOOL

# FortiConverter Release Notes

**VERSION 5.4.1**



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Tuesday, April 10, 2018

FortiConverter 5.4.1 Release Notes

1st Edition



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# Introduction

This document provides installation instructions and caveats, resolved issues, and known issues for FortiConverter 5.4.1, build 0365.

FortiConverter provides a solution for the conversion of numerous firewall configurations into a FortiOS-compatible format. It currently supports the conversion of Cisco, Check Point, Juniper, SonicWall, Palo Alto Networks, McAfee (Sidewinder and Stonesoft), Trend Micro, and Alcatel-Lucent Brick configurations. FortiConverter can also convert Snort IPS rules to custom signatures.

**FortiConverter 5.4.1 features a new browser/server based application, in addition to the legacy application.** Designed as a web application, its database allows conversions to be saved and supports large source-firewall configurations. This, and the new GUI, is intended to improve usability and provide a framework for new functionality.

Two installers are available on the support site:

- `FortiConverterSetup_(release)_Build#.exe` is the legacy application.
- `FortiConverterSetup_(release)_Build#.py.exe` is the new application.

Both the legacy and new applications use the same license key and should be installed on the same host.

**The FortiConverter 5.4.1 new application supports the Cisco ASA, PIX and FWSM conversions, and a new FortiGate configuration viewer.** Use release 5.4.1 of the legacy application for all other supported conversions.

**The FortiGate configuration viewer, in the new application, is provided in place of the FortiGate conversion.** The viewer helps FortiGate administrators manually migrate configurations from a FortiGate configuration file by providing a graphical interface to view policies and objects, and copy CLI. Users who want to use the old FortiGate conversion for conversions up to FortiOS 5.4 can continue to use FortiConverter 5.3.0, which is available on the support site.

For all conversions, you can complete a conversion and view the results in the tuning page. All other functionality is disabled until you upload the full license. In most cases, this limited functionality is sufficient to allow you to evaluate the product.

If your license expires and you do not renew the license, functionality reverts to the trial version.

SKU	Description
FC-10-CON01-401-01-12	1-year multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.
FC-10-CON01-401-02-12	1-year renewal multi-vendor configuration migration tool for building FortiOS configurations, requires Windows.

For additional documentation, please visit:

<http://docs.fortinet.com/forticonverter/>



## What's new

This release contains following new features and enhancements.

- Copy to CLI is now available for all conversions. This feature allows you to select conversion-dataset objects from the GUI (tuning) and copy or save their CLI configuration. For the FortiOS viewer, the Copy to CLI output can optionally be translated to a later FortiOS syntax.
- The FortiConverter icon now directly opens the FortiConverter home page.
- FortiConverter now displays a warning message if the firmware version info of the configuration file cannot be found.
- Conversion output files can now be downloaded from the home page.



## System requirements

FortiConverter is tested to run on the following Microsoft Windows platforms:

- Microsoft Windows 10
- Microsoft Windows 8 (32-bit or 64-bit)
- Microsoft Windows 7 (32-bit or 64-bit)
- Microsoft Windows Server 2016
- Microsoft Windows Server 2012

If your Windows or Windows Server version is not listed above, contact FortiConverter support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).



## Supported versions and conversions

Unless noted as an exception below, conversions only support IPv4 unicast policy.

Vendor	Models	Versions	Convertible objects
<b>Alcatel-Lucent</b>	Brick	ALSMS v9.x	Addresses & Address Books Interfaces (physical, logical, loopback, PPPoE) Partitions Services & Service Books Static routes Zone rule set
<b>Check Point</b>	SmartCenter	NG FP1 (4.0) to NGX R80	Addresses & Address Groups Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT (Automatic & Rule) Negate Cell Policies (rulebases.fws) RADIUS, TACACS+, & LDAP
	Provider-1	NGX R65 to R80	Rules Schedules Services & Service Groups Static routes VPN (IPSec)
<b>Cisco</b>	PIX ASA FWSM	4.x to pre-8.3, 8.3 and later, 9.x	ACLs Addresses & Address Groups DHCP Servers DNS Servers Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools Local Users & Groups NAT (including Object NAT and Double NAT) RADIUS, TACACS+, & LDAP Services & Service Groups Static Routes Time Ranges VPN (IPSec, PPTP/L2TP, EZVPN)
	IOS	10.x to 12.x 15.x	
	IOS XR	4.x, 5.x, 6.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies
	Nexus	5.2, 6.x, 7.x	Services & Service Groups Static Routes



Vendor	Models	Versions	Convertible objects
Juniper	SSG/ISG	ScreenOS 5.x, 6.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) Static Routes Services & Service Groups Policies VIPs/MIPs NAT IP Pools VPN (IPSec, PPTP/L2TP) Local Users & Groups RADIUS & LDAP Zones
	SRX	Junos OS 10.x to 12.x	Addresses & Address Groups & FQDNs DHCP Servers & Client & Relay Interfaces (Physical, Logical, Loopback, PPPoE, Tunnel) IP Pools Local Users & Groups NAT Policies RADIUS & LDAP Services & Service Groups Static Routes VIPs/MIPs VPN (IPSec, PPTP/L2TP) Zones
	MX	Juno OS 10.x to 12.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
McAfee	Sidewinder	7.x, 8.x	Addresses & Address Groups & FQDNs Interfaces IP Pools Policies Services & Service Groups Static Routes
	Stonesoft	5.7	Addresses & Address Groups Interfaces Policies Services & Service Groups Static Routes



Vendor	Models	Versions	Convertible objects
<b>Palo Alto Networks</b>	PA	PAN-OS 1.x to 6.x	Addresses & Address Groups & FQDNs Interfaces Local Users & Groups NAT (partial) Policies Schedules Static Routes Services & Service Groups Zones
<b>SonicWall</b>	NSA Series	SonicOS Enhanced 5.x	Addresses & Address Groups & FQDNs DHCP Servers & Clients & Relays Interfaces (Physical, Logical, Loopback, PPPoE) Local Users & Groups NAT Policies Schedules Services & Service Groups Static Routes Zones
<b>Tipping Point</b>	IPS	4.5	Addresses & Address Groups Policies Services & Service Groups

Exceptions:

- Check Point to FGT conversion can support IPv4 multicast policy.
- Check Point, Cisco (IOS-XR only) and Juniper (Junos only) to FGT conversion can support IPv6 unicast policy.



# Upgrading

The legacy application for FortiConverter has no special upgrade requirements. You may overwrite an existing installation with a different version.

The new application has a backend database. Therefore, it is important to follow the upgrade path to correctly update the database schema.

If you have previously installed an interim build of the new application, please see the Installation section of the FortiConverter 5.4.1 handbook for instructions on how to correctly remove this version before installing the new version.

For additional support, please contact [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).



## Resolved issues

The resolved issues listed below do not list every bug that has been corrected with this release. For inquiries about a particular bug, please email FortiConverter support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

### Resolved issues

Bug ID	Description
473414	FortiConverter crashes during Juniper conversion.
459411	FortiConverter experiences an interface conversion issue during Cisco ASA 8.3 conversion.
471291	FortiConverter crashes during PAN conversion.
470072	FortiConverter experiences an address book conversion issue during Cisco FWSM and ASA configuration.
468204	FortiConverter occasionally crashes during Check Point conversion.
466205	The new FortiConverter application does not convert Global access lists on occasion.
462423	FortiConverter does not convert Policy VPNs during Juniper SRX conversion.
466739	Juniper SRX VPN objects do not have encryption domains or PFS settings in phase 2.



## Known issues

The issues listed below do not include every known bug. For inquiries about a particular bug, please email FortiConverter support at [fconvert\\_feedback@fortinet.com](mailto:fconvert_feedback@fortinet.com).

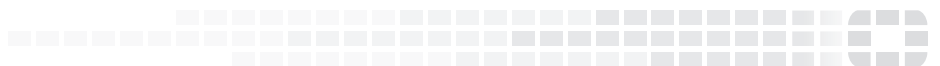
### Known issues

Bug ID	Description
423130	FortiConverter incorrectly parses Juniper SRX security zones.
400963	FortiConverter will not enable NAT if the destination has "negate" enabled.
435526	FortiConverter does not convert BGP routes for Junos SRX OS.
459808	FortiConverter does not convert routing instances for Junos SRX OS.
459412	Some Cisco ASA static NAT may be mismatched during a NAT merge.
451869	FortiConverter does not convert destination NATs with source address objects for Juniper SRX conversions.
452437	FortiConverter does not convert some NAT rules during Check Point conversion.
476628	FortiConverter does not suppress item grouping automatically performed by the Cisco ASM/CSM during Cisco conversion.
476629	FortiConverter does not properly convert section titles from a Cisco CSM managed firewall during Cisco conversion.





High Performance Network Security



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